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ATTORNEY'S DOCKET NO. 702.307   **PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

MICHAEL CHILDS et al.   )
)
Ser. No. 10/718,774   )
)
Filed: November 21, 2003   ) Art Unit: 3661
)
SYSTEMS, FUNCTIONAL DATA, AND   ) Confirmation No. 1580
METHODS FOR GENERATING A ROUTE   )

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on
3/22/04     [Signature]
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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

        Attached is form PTO-1449 which lists patents and publications that Applicant wishes to bring to the

attention of the Examiner in connection with the above-identified application. Copies of all documents may be found

in the parent application, Serial No. 10/032,033, filed December 21, 2001, now Patent No. 6,675,093.

                                        Respectfully submitted,

                                        Devon A. Rolf
                                        Reg. No. 35,337

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Form 1449*	Atty. Docket No.: 702.307	Serial No. 10/718,774
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant: Michael Childs et al.	
	Filing Date: 11-21-03	Group: 3661

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	5,953,722	09/14/1999	Lampert, D., et al.	707	100	09/05/97
	6,121,314	09/19/2000	Richter, F., et al.	514	481	11/10/99
	6,317,684	11/13/2001	Roeseler, A., et al.	701	202	12/22/99
	6,317,687	11/13/2001	Morimoto, K., et al.	701	211	10/05/92
	6,321,158	11/20/2001	DeLorme, D.M., et al.	701	201	08/31/98

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes | No

OTHER DOCUMENTS
(Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	
	"An optimal pathfinder for vehicles in real-world digital terrain maps", http://www.ncase.net/jamsoft/shortestpath/pathfinder/4.html, 11 pages, (1999)
	"Informed Search Methods", Artificial Intelligence, A Modern Approach, Prentice Hall, Inc., pp. 92-115, (1995)
	"Real-Time Vehicle Routing in Dynamic and Stochastic Urban Traffic Networks", http://www.gpu.srv.ualberta.ca/, lfu/research.htm, pp. 1-3, (1997)
	Ahuja, R., et al., "Faster Algorithms for the Shortest Path Problem", Journal of the Association for Computing Machinery, 37(2), pp. 213-223, (1990)
	Chung, V., et al., "An Efficient Implementation of Parallel A *", CFPAR, Montreal, Canada, pp. 153-167, (1994)
	Fredman, M., et al., "Fibonacci heaps and their uses in improved network optimization algorithms", Journal of the ACM, 34(3), 2 pages, (1987)
	Fu, L., "Heuristic Shortest Path Algorithms and their Potential IVHS Applications", Proceedings of the Fourth University of Alberta – University of Calgary, Joint Graduate Student Symposium in Transportation Engineering, pp. 83-109, (1995)
	Ikeda, T., et al., "A Fast Algorithm for Finding Better Routes by AI Search Techniques", Vehicle Navigation and Information Systems Conference Proceedings, pp. 291-296, (1994)
	Kaindl, H., et al., "Memory-Bounded Bidirectional Search", Proceedings of the 12th National Conference on Art, AAAI Press, Seattle, WA, pp. 1359-1364, (1994)

Examiner	Date Considered

*Substitute Disclosure Statement Form (PTO-1449)

**EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449*	Atty. Docket No.: 702.307	Serial No. 10/718,774
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant: Michael Childs et al.	
	Filing Date: 11-21-03	Group: 3661

OTHER DOCUMENTS
(Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial

	Laporte, G., "The Vehicle Routing Problem: An overview of exact and approximate algorithms", European Journal of Operational Research, 59, pp. 345-358, (1992)
	Myers, B., "Data Structures for Best-First Search", http://www4.ncsu.edu/jbmyers/dsai.htm, pp. 1-6, (1997)
	Ronngren, R., et al., "Parallel and Sequential Priority Queue Algorithms", ACM Transactions on Modeling and Computer Simulation, 7(2), pp. 168-172, 198, 19, (1997)
	Stout, B., "Smart Moves: Intelligent Pathfinding", Gamasutra, http://www.gamasutra.com/features/programming/080197/pathfinding.htm, pp. 1-11, (1997)
	Wai, L., et al., "Comparative Study of Shortest Path Algorithm for Transport Network", USRP Report 2, http://www.comp.nus.edu.sg/, leonghoe/USRPreport-txt.html, pp. 1-10, (1999)
	Zhan, F.B., "Three Fastest Shortest Path Algorithms on Real Road Networks: Data Structures and Procedures", Journal of Geographic Information and Decision Analysis, 1(1), http://www.geog.uwo.ca/gimda/journal/vol1.1/Zhan/Zhan.htm, 11 pages, (1997)
	Zhao, Y., et al., "An Adaptive Route-Guidance Algorithm for Intelligent Vehicle Highway Systems", American Control Conference, Boston, MA, Department of Electrical Engineering and Computer Science, The University of Michigan, pp. 2568-2573, (1991)

Examiner	Date Considered

*Substitute Disclosure Statement Form (PTO-1449)

**EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO-1449 (Modified)	Attorney Docket No.: 702.307	Serial Number: 10/718,774
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Applicant: Michael Childs et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: 11-21-03	Group: 3661

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE
	6,259,988	07-2001	Galkowski et al.	701	202	
	6,477,526	11-2002	Hayashi et al.	707	4	
	6,285,951	09-2001	Gaskins et al.	701	209	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	JP 10-132594	05-1998	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

	Oberhauser et al.; Fast data structures for shortest path routing: a comparative evaluation; 1995 IEEE International Conference on Gateway to Globalization; June 1995; vol. 3, pgs. 1597-1601

EXAMINER	DATE CONSIDERED

EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.

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TO:	**USPTO**
FAX #:	**(703) 872-9306**
FROM:	**Devon A. Rolf, Assistant General Counsel—Intellectual Property**
	GARMIN International, Inc. (E-mail: devon.rolf@garmin.com)
DATE:	**March 22, 2004**

FACSIMILE COVER SHEET   (Page 1 of 5)

Re:

Michael Childs et al.   Atty. Dkt. No. 702.307
Serial No.   10/718,774   Examiner: Unknown
Filed: November 21, 2003   Group Art Unit 3661

SYSTEMS, FUNCTIONAL DATA, AND METHODS FOR GENERATING A ROUTE

Attached is an Information Disclosure Statement with references for the above-referenced application. The Commissioner is hereby authorized to charge any fee which may be due, or credit any overpayment, to Deposit Account No. 501-791.